

## Product datasheet for **TP302812M**

### **RFK (NM\_018339) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human riboflavin kinase (RFK), 100 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC202812 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	 MPRADCIMRHLPHYFCRGQVVRGFGGRGSKQLGIPTANFPEQVVDNLPADISTGIYYGWASVGSQDVHKMVV SIGWNPYYKNTKKSMETHIMHTFKEDFYGEILNVAIVGYLRPEKNFDSLESLSAIQGDIEEAKRLELP EHLKIKEDNFFQVSKSKIMNGH  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	17.4 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<u><a href="#">NP_060809</a></u>
<b>Locus ID:</b>	55312
<b>UniProt ID:</b>	<u><a href="#">Q969G6</a></u> , <u><a href="#">B2RDZ2</a></u>
<b>RefSeq Size:</b>	2707



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Cytogenetics: 9q21.13

RefSeq ORF: 486

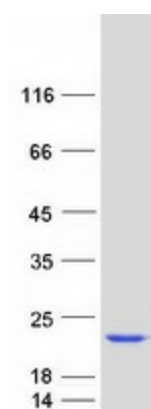
Synonyms: RIFK

**Summary:** Riboflavin kinase (RFK; EC 2.7.1.26) is an essential enzyme that catalyzes the phosphorylation of riboflavin (vitamin B2) to form flavin mononucleotide (FMN), an obligatory step in vitamin B2 utilization and flavin cofactor synthesis (Karthikeyan et al., 2003 [PubMed 12623014]).[supplied by OMIM, Nov 2009]

**Protein Families:** Druggable Genome

**Protein Pathways:** Metabolic pathways, Riboflavin metabolism

### Product images:



Coomassie blue staining of purified RFK protein (Cat# [TP302812]). The protein was produced from HEK293T cells transfected with RFK cDNA clone (Cat# [RC202812]) using MegaTran 2.0 (Cat# [TT210002]).